BANGALORE ELECTRICITY SUPPLY COMPANY LIMITED

SECTION- IX

VOLUME-II

Bill of Quantities (BOQ)

PART-I SUPPLY PORTION				
SL No	**Particulars**	**Unit**	**Total Qty**	**Material code**
1	Supply & Erection of PSCC pole 9 mtr long 300 kg W/L (for dead end and anchor points only)	No	**2**	200005
2	Supply & Erection of PSCC pole 9 mtr long 200kg W/L (for intermediate only)	No	**36**	200006
3	Supply & Erection of 11 kV, Horizontal Cross Arm with clamps, HTST supports, bolts, nuts and washers for PSCC Pole - 9 Mtr Long, 200 Kg WL-GI	set	**38**	CDS materials for General works
4	Supply & Providing of 45KN Composite polymer insulators.	No	**25**	283320
5	Supply & Providing of 11kV Composite Polymer pins insulators.(24mm dia FRP rod)	No	**126**	283008
6	Supply & Providing of Guy Set Complete with No. 15 Strain Insulator & Concreting materials-GI	set	**15**	CDS materials for General works
7	Supply & stringing of ACSR Rabbit conductor with 1.5% sag as per BESCOM Specification	Km	**10.53**	284108
8	Supply & Providing of Spiral Earth Electrode	No	**164**	281683
9	Supply & erection of DP set (2 pole structure kit- GI) with 9 mtr PSCC, 300 KG W/L including 5Kg , 8SWG GI wire for structure grounding.	set	**1.53**	CDS 46
10	Supply & providing of 11kV class 200 AMPS Single Break GOS	Set	**7**	304212
11	Supply & providing of H - Frame Set for 11kV, 200Amps Single Break GOS Mounting - GI	Set	**2**	280149
12	Supply & providing of 11kV Class DOLO Cutouts	Set (3 Nos)	**4**	302011
13	Supply & providing of Guardings Materials for road crossing(span=40 mtr)	Span	**123**	278916
14	Supply & providing of caution/Danger board as per drawing no.BESCOM/GM/CP/40/24.10.17	No	**9**	613050
15	Supply & Fixing of Anticlimbing Device GI Barbed Wire (12 mtrs/1kg)Lumpsum	Kg	**49.5**	278911
16	Supply & Erection of Double Pole Mounted Transformer kit for 63 kVA with 2 Nos of 9 mtr long PSCC Pole, 300KG W/L- GI	Set	**5**	CDS materials for General works

17	Supply & Erection of 11kV/433V, 63 kVA,3phase 50cys Distribution Transformer BEE-4star rated	No	**5**	321438
18	Supply & providing of Earthing materials pipe type for grounding as per Drawing No BESCOM/GM/CP/15&34 dt:24.10.17(Single Electrode with accessories)	No	**15**	281674+600 095+607054 , CDS 60
19	Supply & providing of GI wire 8SWG	kg	**25**	281008
20	Supply & providing of Guy wire 7/10SWG	kg	**50**	281110
21	Supply & providing of 11kV lightning arrestors, poliymer Type,9kV 5 kA (Set=3No)	Set	**5**	303202, CDS 60
22	Supply & providing of LT Protection kit	No	**5**	301107
23	Supply & providing of LT wiring (from 63 KVA DTC to LT line)			
	i) Al Lead Wire - 95 Sqmm	Mtr	**200**	289031
	ii) Heavy Duty Long Barrel Copper Lug - 95 Sqmm	No	**20**	288531
	iii) PG Clamp - Rabbit to 95 Sqmm	No	**20**	285508, CDS 60
	iv) Spacer for DTC Wiring	No	**40**	284503
	v) Fish Plate with necessary Clamps, bolts & nuts etc complete (Galvanised)	No	**10**	280800+280 511, CDS 60
24	LT Metering box with CTs and necessary wiring for housing ETV Meter (Please see CDS - 39)	No	**5**	CDS 39
25	Supply & providing of H.G.Fuse unit,11kV solid core Type(Set=3no)	Set	**5**	302122
26	supply & providing Transparent Alkathine tube 19mm dia, 2mm thick in coils of 30 mtrs	Coil	**2.5**	821900
27	PSCC Pole - 8 Mtr Long, 200 Kg WL (for Intermediate Pole)	No	**53**	200004
28	LT 4 Pin Cross Arm with clamps, bolts, nuts and washers for PSCC Pole - 8 Mtr Long, 200 Kg WL-GI	Set	**53**	280014, CDS materials for General works
29	1.1 kV Pin Insulator with GI Pin	No	**212**	283053, CDS 5
30	No. 8 Strain Insulator	No	**18**	283158
31	Supply & Providing of Guy Set Complete with No 8. Strain Insulator & Concreting materials-GI	Set	**18**	CDS materials for General works
32	1.1kV Class 3 Phase Aerial Bunched Cable of size 3x95+1x16+1x70 Sq. mm	**KMs**	**1**	CDS 37
33	PSCC Pole - 8 Mtr Long, 200 Kg WL (for Intermediate Pole)	No's	**9**	200004
34	Three Phase Distribution box for 6	No's	**3**	CDS 37

	Connections			
35	Piercing connector suitable for 16 Sq. mm - 95 Sq. mm AB Cable - Service Connections	No's	**4**	CDS 37
36	Suspension Clamp Assembly 16 to 70 mm (Excluding pole clamp & Eye Hook)	Sets	**4**	CDS 37
37	Pole clamp for HT/LT AB cable	Sets	**2**	CDS 37
38	Eye Hook (Flat type) for fixing Clamps	Sets	**1**	CDS 37
39	Dead End Clamp/Anchor Clamp Assembly 25 to 95 Sq mm (excluding pole clamps and Eye hook)	Sets	**2**	CDS 37
40	Universal Hook, Bolts & nuts	No's	**8**	CDS 37
41	T-connector KZ3 95	No's	**9**	CDS 37
42	Cable Straight thru' joint kits suitable for 95 Sqmm	Sets	**1**	CDS 37
43	Pre-Insulated lugs-CPTAU for 95 Sqmm	No's	**6**	CDS 37
44	End cap for 50/70 Sqmm	No's	**3**	CDS 37
45	Supply & Providing of Guy Set Complete with No 8. Strain Insulator & Concreting materials-GI	Sets	**2**	CDS 37
46	PVC Insulated wire 16/25 Sqmm	Mtrs	**9**	CDS 37

PART-II ERECTION PORTION			
SL No	**Particulars**	**Unit**	**Total Qty**
1	Supply & Erection of PSCC pole 9 mtr long 300 kg W/L (for dead end and anchor points only)	No	**2**
2	Supply & Erection of PSCC pole 9 mtr long 200kg W/L (for intermediate only)	No	**36**
3	Supply & Erection of 11 kV, Horizontal Cross Arm with clamps, HTST supports, bolts, nuts and washers for PSCC Pole - 9 Mtr Long, 200 Kg WL-GI	set	**38**
4	Supply & Providing of Guy Set Complete with No. 15 Strain Insulator & Concreting materials-GI	set	**15**
5	Supply & stringing of ACSR Rabbit conductor with 1.5% sag as per BESCOM Specification	Km	**10.53**
6	Supply & Providing of Spiral Earth Electrode	No	**164**
7	Supply & erection of DP set (2 pole structure kit- GI) with 9 mtr PSCC, 300 KG W/L including 5Kg , 8SWG GI wire for structure grounding.	set	**1.53**
8	Supply & providing of 11kV class 200 AMPS Single Break GOS	Set	**7**
9	Supply & providing of H - Frame Set for 11kV, 200Amps Single Break GOS Mounting - GI	Set	**2**

10	Supply & providing of 11kV Class DOLO Cutouts	Set (3 Nos)	**4**
11	Supply & providing of Guardings Materials for road crossing(span=40 mtr)	Span	**123**
12	Supply & providing of caution/Danger board as per drawing no.BESCOM/GM/CP/40/24.10.17	No	**9**
13	Supply & Fixing of Anticlimbing Device GI Barbed Wire (12 mtrs/1kg)Lumpsum	Kg	**49.5**
14	Supply & Erection of Double Pole Mounted Transformer kit for 63 kVA with 2 Nos of 9 mtr long PSCC Pole, 300KG W/L- GI	Set	**5**
15	Supply & Erection of 11kV/433V, 63 kVA,3phase 50cys Distribution Transformer BEE-4star rated	No	**5**
16	Supply & providing of Earthing materials pipe type for grounding as per Drawing No BESCOM/GM/CP/15&34 dt:24.10.17(Single Electrode with accessories)	No	**15**
17	Supply & providing of 11kV lightning arrestors, poliymer Type,9kV 5 kA (Set=3No)	Set	**5**
18	Supply & providing of LT Protection kit	No	**5**
19	Supply & providing of LT wiring (from 63 KVA DTC to LT line)		
	i) Al Lead Wire - 95 Sqmm	Mtr	**200**
	ii) Heavy Duty Long Barrel Copper Lug - 95 Sqmm	No	**20**
	iii) PG Clamp - Rabbit to 95 Sqmm	No	**20**
	iv) Spacer for DTC Wiring	No	**40**
	v) Fish Plate with necessary Clamps, bolts & nuts etc complete (Galvanised)	No	**10**
20	LT Metering box with CTs and necessary wiring for housing ETV Meter (Please see CDS - 39)	No	**5**
21	Supply & providing of H.G.Fuse unit,11kV solid core Type(Set=3no)	Set	**5**
22	PSCC Pole - 8 Mtr Long, 200 Kg WL (for Intermediate Pole)	No	**53**
23	LT 4 Pin Cross Arm with clamps, bolts, nuts and washers for PSCC Pole - 8 Mtr Long, 200 Kg WL-GI	Set	**53**
24	Supply & Providing of Guy Set Complete with No 8. Strain Insulator & Concreting materials-GI	Set	**18**
25	Guy concreting with Boulders, Mud and Sand	No	**40**
26	1.1kV Class 3 Phase Aerial Bunched Cable of size 3x95+1x16+1x70 Sq. mm	**KMs**	**1**
27	PSCC Pole - 8 Mtr Long, 200 Kg WL (for Intermediate Pole)	No's	**9**
28	Three Phase Distribution box for 6 Connections	No's	**3**

29	Piercing connector suitable for 16 Sq. mm - 95 Sq. mm AB Cable - Service Connections	No's	**4**
30	Suspension Clamp Assembly 16 to 70 mm (Excluding pole clamp & Eye Hook)	Sets	**4**
31	Pole clamp for HT/LT AB cable	Sets	**2**
32	Dead End Clamp/Anchor Clamp Assembly 25 to 95 Sq mm (excluding pole clamps and Eye hook)	Sets	**2**
33	Universal Hook, Bolts & nuts	No's	**8**
34	T-connector KZ3 95	No's	**9**
35	Cable Straight thru' joint kits suitable for 95 Sqmm	Sets	**1**
36	Pre-Insulated lugs-CPTAU for 95 Sqmm	No's	**6**
37	End cap for 50/70 Sqmm	No's	**3**
38	Supply & Providing of Guy Set Complete with No 8. Strain Insulator & Concreting materials-GI	Sets	**2**
39	Guy Concreting with Mud, Boulders & Sand	Sets	**2**